

Supplementary Online Content

Maenner MJ, Rice CE, Arneson CL, et al. Potential impact of *DSM-5* criteria on autism spectrum disorder prevalence estimates. *JAMA Psych*. Published online January 22, 2014. doi:10.1001/jamapsychiatry.2013.3893.

eTable 1. Proportion of Children Meeting *DSM-5* ASD Criteria, Among Children Meeting Current ADDM Network (*DSM-IV-TR*-based) ASD Case Status, by Intellectual Disability Status and History of Developmental Regression

eTable 2. Proportion of Children Meeting *DSM-5* ASD Criteria, Among Children Meeting Current ADDM Network (*DSM-IV-TR*-based) ASD Case Status, by Site and Year

eTable 3. Frequency of *DSM-IV-TR* ASD Behavioral Criteria and Other Characteristics for 3 Groups of Children

eTable 4. Frequency of *DSM-5* ASD Criteria for 3 Groups of Children

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Proportion of Children Meeting *DSM-5* ASD Criteria, Among Children Meeting Current ADDM Network (*DSM-IV-TR*-based) ASD Case Status, by Intellectual Disability Status and History of Developmental Regression

ID Status	History of Developmental Regression	N	% Meeting DSM-5 criteria
IQ > 70	Yes	416	90
IQ > 70	No	2626	81
IQ ≤ 70	Yes	560	94
IQ ≤ 70	No	1319	83
IQ Unknown	Yes	389	82
IQ Unknown	No	1267	70

eTable 2. Proportion of Children Meeting *DSM-5* ASD Criteria, Among Children Meeting Current ADDM Network (*DSM-IV-TR*-based) ASD Case Status, by Site and Year

Note that some sites modify their geographic study areas in each year. Arkansas, New Jersey, and Utah contributed data to the 2008 study year only. The previously-reported ASD prevalence estimates for each site and year are also displayed.

Site	2006 Study Year			2008 Study Year		
	Reported ADDM ASD prevalence (per 1000)	Number <i>DSM-IV-TR</i> ASD cases	% Meeting <i>DSM-5</i> ASD	Reported ADDM ASD prevalence (per 1000)	Number <i>DSM-IV-TR</i> ASD cases	% Meeting <i>DSM-5</i> ASD
Alabama	6.0	212	71.6	4.8	174	78.7
Arkansas		--	--	10.5	52	88.5
Arizona	12.1	504	78.6	15.6	507	83.6
Colorado	7.5	54	90.7	11.8	91	86.8
Florida	4.2	116	68.1	7.2	211	69.1
Georgia	10.2	474	84.6	11.9	601	86.2
Maryland	9.2	243	62.1	12.4	336	74.1
Missouri	12.1	321	82.2	13.9	357	84.3
New Jersey		--	--	20.5	145	88.3
North Carolina	10.4	230	87.8	14.2	525	88.4
Pennsylvania	8.4	150	79.3	13.3	245	80.4
South Carolina	8.6	196	78.6	11.1	264	84.5
Utah		--	--	21.2	45	95.6
Wisconsin	7.6	257	76.7	7.8	267	82.0

eTable 3. Frequency of *DSM-IV-TR* ASD Behavioral Criteria and Other Characteristics for 3 Groups of Children
Groups included (1) children meeting ADDM Network ASD criteria, but not *DSM-5*; 2) children meeting ADDM Network ASD criteria and *DSM-5* ASD criteria; and 3) children meeting *DSM-5* ASD criteria but were not classified as meeting current ADDM Network (*DSM-IV-TR*) ASD case criteria. Importantly, ALL 304 children in the third group met the behavioral criteria for (*DSM-IV-TR*) PDD-NOS or Autistic Disorder but were not considered ADDM Network ASD cases, usually because the clinician reviewers concluded that the behaviors were better explained by another disorder. Whether these 304 children would be considered ASD cases under *DSM-5* ASD criteria would depend, in part, on the revised criteria for other disorders and their perceived mutual exclusivity.

	% with characteristic			
	ADDM Network ASD cases; did not meet <i>DSM-5</i> criteria (n=1238)	ADDM Network ASD cases; met <i>DSM-5</i> Criteria (n=5339)	Not ADDM Network ASD cases; met <i>DSM-5</i> Criteria (n=304)	Overall chi-square p-value
<i>DSM-IV-TR</i> ASD Criteria				
1a (eye gaze)	29.9	100.0	100.0	<0.0001
1b (peer relations)	57.4	78.6	57.9	<0.0001
1c (joint attention)	28.3	57.9	35.2	<0.0001
1d (emotional reciprocity)	74.6	95.3	85.5	<0.0001
2a (spoken language)	83.3	91.9	77.6	<0.0001
2b (hold a conversation)	75.6	90.7	84.2	<0.0001
2c (stereotyped language)	55.9	80.4	66.1	<0.0001
2d (lack of spontaneous play)	31.2	64.5	36.5	<0.0001
3a (restricted interests)	38.5	68.4	45.7	<0.0001
3b (inflexible re: routines)	58.0	92.0	84.2	<0.0001
3c (stereotyped motor)	43.3	75.0	43.8	<0.0001
3d (preoccupation with parts)	34.8	68.0	36.5	<0.0001
Ever Diagnosed or Classified as having an ASD by community professional	61.6	79.5	18.8	<0.0001
Met <i>DSM-IV-TR</i> behavioral criteria for Autistic Disorder	45.4	97.7	78.0	<0.0001
Male	81.8	83.1	81.3	0.4110

eTable 4. Frequency of *DSM-5* ASD Criteria for 3 Groups of Children
Groups described in eTable 3. Note that the *DSM-5* ASD criteria requires all 3 criteria in the social communication domain.

<i>DSM-5</i> criterion	% with characteristic		
	ADDM Network ASD cases; did not meet <i>DSM-5</i> criteria (n=1238)	ADDM Network ASD cases; met <i>DSM-5</i> Criteria (n=5339)	Not ADDM Network ASD cases; met <i>DSM-5</i> Criteria (n=304)
A1. Social emotional Reciprocity	95.0	100	100
A2. Nonverbal communicative behaviors	29.9	100	100
A3. Developing and maintaining relationships	86.9	100	100
B1. Stereotyped or repetitive behaviors	82.6	99.7	99.7
B2. Excessive adherence to routines	58.1	92.1	84.2
B3. Restricted, fixated interests	38.5	68.4	45.7
B4. Hyper- or hypo- reactivity to sensory input	54.7	86.9	60.2